

The image shows a 4x4 grid of binary patterns. The patterns are as follows:

- Top-left cell: SSSS
- Top-middle cell: YYY
- Top-right cell: YYY
- Middle-left cell: SSS
- Middle-middle cell: SSS
- Middle-right cell: SSS
- Bottom-right cell: SSS

The patterns are represented by black 'S' and 'Y' characters on a white background.

FILEID**SYSFORCEX

M 9

SSSSSSSS SSSSSSSS YY YY YY YY SSSSSSSS FFFFFFFF 000000 RRRRRRRR CCCCCCCC EEEEEEEE XX XX XX
SSSSSSSS SSSSSSSS YY YY YY YY SS SS FF FF 000000 RRRRRRRR CCCCCCCC EEEEEEEE XX XX XX
SSSSSSSS SSSSSSSS YY YY YY YY SS SS FF FF 000000 RRRRRRRR CCCCCCCC EEEEEEEE XX XX XX
SSSSSS SSSSSS YY YY SSSSSS FFFFFF 000000 RRRRRRRR CCCCCCCC EEEEEEEE XX XX XX
SSSSSS SSSSSS YY YY SSSSSS FFFFFF 000000 RRRRRRRR CCCCCCCC EEEEEEEE XX XX XX
SS SS YY YY SS FF FF 000000 RRRRRRRR CCCCCCCC EEEEEEEE XX XX XX
SS SS YY YY SS FF FF 000000 RRRRRRRR CCCCCCCC EEEEEEEE XX XX XX
SS SS YY YY SS FF FF 000000 RRRRRRRR CCCCCCCC EEEEEEEE XX XX XX
SS SS YY YY SS FF FF 000000 RRRRRRRR CCCCCCCC EEEEEEEE XX XX XX
SSSSSSSS SSSSSSSS YY YY SSSSSSSS FF FF 000000 RRRRRRRR CCCCCCCC EEEEEEEE XX XX XX
SSSSSSSS SSSSSSSS YY YY SSSSSSSS FF FF 000000 RRRRRRRR CCCCCCCC EEEEEEEE XX XX XX

LL IIIII SSSSSSSS
LL IIIII SSSSSSSS
LL IIIII SS SS
LLLLLLLLL IIIII SSSSSSSS
LLLLLLLLL IIIII SSSSSSSS

SYSFORCEX
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FORCE EXIT SYSTEM SERVICE

N 9

16-SEP-1984 02:07:50 VAX/VMS Macro V04-00

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(1)	72	EXESFORCEX - FORCE EXIT SYSTEM SERVICE	

0000 1
0000 2 :TITLE SYSFORCEX FORCE EXIT SYSTEM SERVICE
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0000 4
0000 5 :*****
0000 6 :*****
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0000 25 :*
0000 26 :*
0000 27 :*****
0000 28 :
0000 29 :++
0000 30 :FACILITY: EXECUTIVE, SYSTEM SERVICES
0000 31 :
0000 32 :ABSTRACT:
0000 33 :
0000 34 :ENVIRONMENT:
0000 35 :
0000 36 :--
0000 37 :
0000 38 :.PAGE
0000 39 :.SBttl HISTORY : DETAILED
0000 40 :
0000 41 :AUTHOR: R. HUSTVEDT CREATION DATE: 1-OCT-76
0000 42 :
0000 43 :MODIFIED BY:
0000 44 :01 - : VERSION
0000 45 :
0000 46 :

0000 48 .SBTTL DECLARATIONS
0000 49
0000 50 : INCLUDE FILES:
0000 52
0000 53
0000 54 \$ACBDEF : DEFINE AST CONTROL BLOCK
0000 55 \$IPLDEF : DEFINE INTERRUPT PRIORITY LEVELS
0000 56 \$PCBDEF : DEFINE PROCESS CONTROL BLOCK
0000 57 \$PRDEF : DEFINE PROCESSOR REGISTERS
0000 58 \$PRIDEF : DEFINE PRIORITY INCREMENT CLASSES
0000 59 \$SSDEF : DEFINE STATUS CODES
0000 60
0000 61 : EQUATED SYMBOLS:
0000 62
0000 63
0000 64
00000000 0000 65 ASTEXIT=0 : CHMK CODE FOR ASTEXIT
0000000C 0000 66 CODE=12 : DISPLACEMENT TO CODE PARAMETER
0000 67
0000 68 : OWN STORAGE:
0000 69
0000 70

0000 72 .SBTTL EXESFORCEX - FORCE EXIT SYSTEM SERVICE
 0000 73
 0000 74 ++
 0000 75 FUNCTIONAL DESCRIPTION:
 0000 76
 0000 77 CALLING SEQUENCE:
 0000 78 CALLG ARGLIST,EXESFORCEX
 0000 79
 0000 80 INPUT PARAMETERS:
 0000 81 PIDADR(AP) - ADDRESS OF PID (WRITTEN)
 0000 82 PRCNAM(AP) - ADDRESS OF PROCESS LOGICAL NAME
 0000 83 CODE(AP) - COMPLETION CODE TO BE USED FOR EXIT CALL
 0000 84 R4 - PCB ADDRESS OF CURRENT PROCESS
 0000 85
 0000 86 IMPLICIT INPUTS:
 0000 87 NONE
 0000 88
 0000 89 OUTPUT PARAMETERS:
 0000 90 @PIDADR(AP) - PID OF PROCESS FOR WHICH EXIT WAS FORCED
 0000 91 R0 - COMPLETION STATUS
 0000 92
 0000 93 IMPLICIT OUTPUTS:
 0000 94 NONE
 0000 95
 0000 96 COMPLETION CODES:
 0000 97 SSS_NORMAL - SUCCESSFUL COMPLETION
 0000 98 SSS_INSFMEM - INSUFFICIENT DYNAMIC MEMORY
 0000 99 SSS_NONEXPR - NON-EXISTENT PROCESS
 0000 100 SSS_NOPRIV - INSUFFICIENT PRIVILEGE TO CONTROL DETACHED PROCESS
 0000 101
 0000 102 SIDE EFFECTS:
 0000 103 NONE
 0000 104
 0000 105 --
 0000 106
 0000 107 EXESFORCEX:: : FORCE EXIT SYSTEM SERVICE
 003C 0000 108 WORD "M<R2,R3,R4,R5>" : SAVE REGISTERS R2-R5
 FFFB' 30 0002 109 BSBW EXES\$NAMEPID : CONVERT NAME-PID PAIR
 23 24 A4 02 E9 0008 110 SETIPL #0 : DROP IPL
 28 50 E9 0008 111 BLBC R0,20\$: EXIT IF ERROR
 51 DD 0010 112 BBSS #PCBSV_FORCEPEN,PCBSL_STS(R4),10\$: FORCE EXIT ALREADY PENDING
 FFEB' 30 0012 113 PUSHL R1 : SAVE PID
 1E 50 E9 0015 114 BSBW EXESALLOCIRP : ALLOCATE AST CONTROL BLOCK
 OB A2 03 90 0018 115 BLBC R0,20\$: EXIT IF ERROR
 OC A2 8E DD 001C 116 MOVB #3,ACBSB_RMOD(R2) : SET ACCESS MODE
 10 A2 37 AF 9E 0020 117 MOVL (SP)+,ACBSL_PID(R2) : SET PID OF DESTINATION
 14 A2 0C AC DD 0025 118 MOVAB B^DOEXIT,ACBSL_AST(R2) : AND ADDRESS OF AST ROUTINE
 55 52 DD 002A 119 MOVL CODE(AP),ACBSL_ASTPRM(R2) : SET CODE FOR EXIT CALL
 52 02 9A 002D 120 MOVL R2,R5 : AST CONTROL BLOCK ADDRESS FOR QAST
 FFC'D' 30 0030 121 MOVZBL #PRI\$,RESAVL,R2 : SET PRIORITY INCREMENT CLASS
 50 01 3C 0033 122 BSBW SCH\$QAST : QUEUE ACB FOR TARGET PROCESS
 04 0036 123 10\$: MOVZWL #SSS_NORMAL,R0 : SET NORMAL COMPLETION STATUS
 0037 124 20\$: RET : AND RETURN TO CALLER
 0037 125
 0037 126

0037 128 ;
0037 129 ; PERFORM EXIT AS A RESULT OF USER MODE AST IN THE CONTEXT OF THE
0037 130 ; TARGET PROCESS.
0037 131 ;
0037 132 ;
0037 133 DOEXIT:
00 0000 0037 134 .WORD 0
00 BC 0039 135 CHMK #ASTEXIT
0038 136 SEXIT_S 4(AP)
0045 137 ; NULL REGISTER SAVE MASK
0045 138 ; CLEAR AST ACTIVE FLAG
0045 139 ; MAKE EXIT CALL
.END

SYSFORCEX
Symbol table

FORCE EXIT SYSTEM SERVICE

F 10

16-SEP-1984 02:07:50 VAX/VMS Macro V04-00
5-SEP-1984 03:53:21 [SYS.SRC]SYSFORCEX.MAR;1

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ACBSB_RMOD
ACBSL_AST
ACBSL_ASTPRM
ACBSL_PID
ASTEXIT
CODE
DOEXIT
EXE\$ALLOCIRP
EXESFORCEX
EXESNAMPID
PCBSL_STS
PCBSV_FORCPEN
PRS_IPL
PRIS_RESAVL
SCHS\$AST
SSS_NORMAL
SYS\$EXIT

= 0000000B
= 00000010
= 00000014
= 0000000C
= 00000000
= 0000000C
00000037 R 01
***** X 01
00000000 RG 01
***** X 01
= 00000024
= 00000002
= 00000012
= 00000002
***** X 01
= 00000001
***** GX 01

+-----+
! Psect synopsis !
+-----+

PSECT name

PSECT name	Allocation	PSECT No.	Attributes	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE
. ABS .	00000000	(0.)	00 (0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT
. BLANK .	00000045	(69.)	01 (1.)	NOPIC	USR	CON	REL	LCL	NOSHR	EXE	RD	WRT
\$ABSS	00000000	(0.)	02 (2.)	NOPIC	USR	CON	ABS	LCL	NOSHR	EXE	RD	WRT

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	31	00:00:00.06	00:00:01.17
Command processing	109	00:00:00.58	00:00:06.28
Pass 1	242	00:00:06.02	00:00:18.03
Symbol table sort	0	00:00:01.05	00:00:04.28
Pass 2	40	00:00:01.03	00:00:04.65
Symbol table output	4	00:00:00.03	00:00:00.04
Psect synopsis output	1	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	429	00:00:08.81	00:00:34.49

The working set limit was 1200 pages.

33261 bytes (65 pages) of virtual memory were used to buffer the intermediate code.

There were 40 pages of symbol table space allocated to hold 667 non-local and 2 local symbols.

139 source lines were read in Pass 1, producing 12 object records in Pass 2.

15 pages of virtual memory were used to define 14 macros.

SYSFORCEX
VAX-11 Macro Run Statistics

FORCE EXIT SYSTEM SERVICE

G 10

16-SEP-1984 02:07:50 VAX/VMS Macro V04-00
5-SEP-1984 03:53:21 [SYS.SRC]SYSFORCEX.MAR;1

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(1)

+-----+
! Macro library statistics !
+-----+

Macro library name

\$255\$DUA28:[SYS.OBJ]LIB.MLB;1
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2
TOTALS (all libraries)

Macros defined

5
6
11

753 GETS were required to define 11 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LISS:SYSFORCEX/OBJ=OBJ\$:SYSFORCEX MSRC\$:SYSFORCEX/UPDATE=(ENHS:SYSFORCEX)+EXECMLS/LIB

0384 AH-BT13A-SE
VAX/VMS V4.0

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